ABSTRACT OF DE 20102051

NOVELTY - The vertical rotors (4,5,6) subjected to a frontal flow are designed so that an aerodynamically shaped conducting vane (13) is arranged projecting in the diffuser region, which is connected with the cover sheets of the diffuser. On one side the wall shape defines the inflow and the outflow sections of a vertical rotor, and on the other side opens up a gap with a gap width between a second vertical rotor and the housing part with vane for the rotor (5), so that gap forming vane (13) lies closely at a third vertical rotor (6). The center axis of which has an eccentricity (3e) to the frontal axis (1) of symmetry which is directly on the line connecting the axes of the two vertical rotors (4,5).

USE - Wind power plant with three vertical rotors.

ADVANTAGE - Wind throughput through wind power plant is improved so that air flow conditioned eddy, deceleration and friction losses in inflow section of power plant are reduced, due to the arrangement of the vertical rotors also the clearing of eddies of the airstream flowing from the rotors, and the conversion of the increased energy potential in to mechanical or electric work.

DESCRIPTION OF DRAWING(S) - The figure 1 shows a front view of the wind power plant.